

Work Order ID 59014

Saturday, May 22, 2010 10:39:50 AM



SHIP
TUESDAY
Page 1

Item ID:	D412-702-047B	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	4-Man Side Facing Shoulder Harness, 3 point					
Start Date:	5/25/2010	Start Qty:	1.00		Cust Item ID:	
Required Date:	5/25/2010	Req'd Qty:	1.00		Customer:	
Reference:						

Approvals:	Process Plan:	<u>MF</u>	Date:	<u>10-5-22</u>	Tooling:		Date:		Run	Start	
	QC:		Date:		SPC (Y/N):		Date:			Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr								
IIN D412-702	Rev E								

100		DOCUMENT CONTROL	0.00						
DC		Memo	0.00						
Document Control		Photocopy bluefile & type labels per PPP D412-702-047B CHG003							

S. Colster 46 BG 10/05/25

110		QC4- 100% Inspect kits for completeness	0.00						
QC		Memo	0.00						
Quality Control									

S. Colster ⊕

120		Packaging	0.00						
Packaging		Memo	0.00						
Packaging		Identify and pack for shipping as per PPP D412-702-047B							
		Location: <u>B</u>							
		PPP Rev: <u>B</u>							

4/20/20 Ⓢ

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 59014

Saturday, May 22, 2010 10:39:50 AM



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Item ID: D412-702-047B

Accept



Setup Start



Revision ID:

Stop



Item Name: 4-Man Side Facing Shoulder Harness, 3 point

Start Date: 5/25/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 5/25/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/05/25 *[Signature]*
Pl 10-5-25
[Signature]

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Picklist Print

Saturday, May 22, 2010 10:39:49 AM

Page 1

Work Order ID: 59014

Parent Item: D412-702-047B

Parent Item Name: 4-Man Side Facing Shoulder Harness, 3 point

Start Date: 5/25/2010

Required Date: 5/25/2010

Comments: IPP Rev:A 08-03-31 now at chg003 ECN1150 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
CR3212-4-4 Cherry Rivet		Purchased	No			110	Each	164.0000	12	12			

Location	Loc Qty	Loc Code
ST311	164	
111359	64	
114716	100	

117389

D3571-1 Guide		Manufactured	No			110	Each	11.0000	4	4			
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Location	Loc Qty	Loc Code
ST245A	11	
47141	1	
57226	10	

57226

D3578-041 Doubler		Manufactured	No			110	Each	82.0000	6	6			
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Location	Loc Qty	Loc Code
ST244A	82	
52071	82	

52071

D3761-1-041 HOOK & LOOP STRIP		Manufactured	No			110	Each	0.0000	4	4			
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56429

D412-702-059 Grommet		Manufactured	No			110	Each	9.0000	1	1			
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Location	Loc Qty	Loc Code
FG122	9	
55670	9	

55670

D3761-1 cut to 4.125" long x 4
CHG 001

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Picklist Print

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Work Order ID: 59014

Parent Item: D412-702-047B

Parent Item Name: 4-Man Side Facing Shoulder Harness, 3 point






Start Date: 5/25/2010

Required Date: 5/25/2010

Comments: IPP Rev:A 08-03-31 now at chg003 ECN1150 DD verified by:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D412-702-101B  Harness Assembly		Manufactured	No			110	Each	1.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FG				1					
					57637			1		57637			
D412-702-103B  Harness Assembly		Manufactured	No			110	Each	1.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST274				1					
					58009			1		58009			
D412-702-115B  Harness Assembly		Manufactured	No			110	Each	0.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST274				1					
					58009			1		58009			
D412-702-117B  Harness Assembly		Manufactured	No			110	Each	0.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST274				1					
					58009			1		58009			
MS24694-S58  Screw		Purchased	No			110	Each	140.0000	8	8			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST289A				140					
					104407			140		104407			

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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NOTE: Date & initial all entries

REFERENCE ONLY

DART AEROSPACE LTD.

HN-D412-702

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QTY -041B	QTY -043B	QTY -047B	QTY -049B	Part Number	Description
X				D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
				D412-702-043B	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
				D412-702-045B	Dart 4-Man 3-Point Air Facing Shoulder Harness Kit
		X		D412-702-047B	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
			X	D412-702-049B	Dart 1-Man 3-Point Forward Shoulder Harness Kit
1		1	1	D412-702-059	GROMMET KIT
2		1		D412-702-101B	HARNESS ASSEMBLY
1*		1*		D3573-7	ADAPTER
1*		1*		D3579-046	SHOULDER HARNESS
1*		1*		K6.2	CLIP
4*		4*		MS24693S272	SCREW
4*		4*		AN980JD10LL	WASHER
4*		4*		MS21042L3	NUT
2		1		D412-702-103B	HARNESS ASSEMBLY
1*		1*		D3573-8	ADAPTER
1*		1*		D3579-045	SHOULDER HARNESS
1*		1*		K6.2	CLIP
4*		4*		MS24693S272	SCREW
4*		4*		AN980JD10LL	WASHER
4*		4*		MS21042L3	NUT
1			1	D412-702-105B	HARNESS ASSEMBLY
1*			1*	D3573-1	ADAPTER
1*			1*	D3579-046	SHOULDER HARNESS
1*			1*	K6.2	CLIP
4*			4*	MS24693S273	SCREW
4*			4*	AN980JD10LL	WASHER
4*			4*	MS21042L3	NUT
1				D412-702-107B	HARNESS ASSEMBLY
1*				D3573-3	ADAPTER
1*				D3579-045	SHOULDER HARNESS
1*				K6.2	CLIP
4*				MS24693S272	SCREW
4*				AN980JD10LL	WASHER
4*				MS21042L3	NUT
1				D412-702-109B	HARNESS ASSEMBLY
1*				D3573-3	ADAPTER
1*				D3579-045	SHOULDER HARNESS
1*				K6.2	CLIP
4*				MS24693S272	SCREW
4*				AN980JD10LL	WASHER
4*				MS21042L3	NUT

ITEMS SHOWN ARE USED WITH ASSEMBLY ABOVE

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Revision: E
Date: 07.06.27

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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QTY -041B	QTY -043B	QTY -047B	QTY -049B	Part Number	Description
2				D412-702-111B	HARNESS ASSEMBLY
1*				D3570-1	BRACKET
1*				D3579-047	SHOULDER HARNESS
4*				MS24694S50	SCREW
4*				AN960JD10L	WASHER
4*				MS21042L3	NUT
2				D412-702-113B	HARNESS ASSEMBLY
1*				D3570-2	BRACKET
1*				D3579-048	SHOULDER HARNESS
4*				MS24694S50	SCREW
4*				AN960JD10L	WASHER
4*				MS21042L3	NUT
1		1		D412-702-115B	HARNESS ASSEMBLY
1*		1*		D3573-5	ADAPTER
1*		1*		D3579-046	SHOULDER HARNESS
1*		1*		K6.2	CLIP
4*		4*		MS24693S272	SCREW
4*		4*		AN960JD10LL	WASHER
4*		4*		MS21042L3	NUT
1		1		D412-702-117B	HARNESS ASSEMBLY
1*		1*		D3573-5	ADAPTER
1*		1*		D3579-045	SHOULDER HARNESS
1*		1*		K6.2	CLIP
4*		4*		MS24693S272	SCREW
4*		4*		AN960JD10LL	WASHER
4*		4*		MS21042L3	NUT
2				D3542-1	BRACKET
7		4	1	D3571-1	GUIDE
2				D3571-3	GUIDE
2				D3572-041	GUIDE ASSEMBLY
12		6	2	D3573-041	DOUBLER
2				D3610-041	BRACKET
2				D3618-1	CAP
4				AN4-10A	BOLT
2				AN4-16A	BOLT
4				AN4-25A	BOLT
2				AN4-44A	BOLT
2				MS24693S274	SCREW
3			1	MS24694S56	SCREW
10		8		MS24694S58	SCREW
1			1	MS24694S60	SCREW
26				AN960JD416	WASHER
4				AN960JD416L	WASHER
12				MS21042L4	NUT
24		12	4	CR3212-4-4	RIVET

*DENOTED PART IS INCLUDED WITH ASSEMBLY ABOVE

W/O:		WORK ORDER CHANGES					
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DART SERVICE INSTRUCTION

REPAIR INSTALLATION INSTRUCTIONS IIN-D412-702 REV. D & E

REF. CANADIAN STC: SH04-7

REF. FAA STC: SR01997NY

EASA STC: EASA.IM.R.S.00710

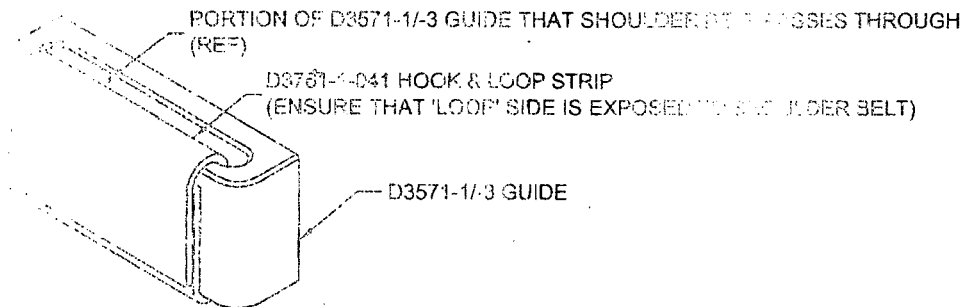
REFERENCE ONLY

DSI9408-011, DSI9408-013, DSI9408-015 and DSI9408-017 Hook and Loop Strip Kits are available to upgrade existing D412-702-041A/-043A/-045A/-049A/-051A/-052A/-052B 3-Point Shoulder Harness Kits at CHG 001 and D412-702-041B/-043B/-045B/-049B/-051B/-052B 3-Point Shoulder Harness Kits at CHG 002. The DSI9408-011/-013/-015/-017 kits are included in D412-702-041A/-043A/-045A/-049A/-051A/-052A/-052B kits at CHG 002 and D412-702-041B/-043B/-045B/-049B kits at CHG 001.

The DSI9408-011, DSI9408-013, DSI9408-015 and DSI9408-017 hook and loop strips that help prevent passengers from inadvertently pulling the shoulder straps of the D3571-1/-3 guides. Installation of the D3761-1-041 hook and loop strips is optional.

The D3761-1-041 hook and loop strip is installed by wrapping the strip tightly around the front face of the D3571-1/-3 guide so that only the 'loop' side of the strip is exposed to the shoulder belt as shown in the figure below. The kits are as follows:

QTY -011	QTY -013	QTY -015	QTY -017	Part Number	Description
X				DSI9408-011	9-Man Hook and Loop Strip Kit Upgrades D412-702-041A Kits at CHG 001 Upgrades D412-702-041B Kits at CHG 002
				DSI9408-013	5-Man Hook and Loop Strip Kit Upgrades D412-702-043A Kits at CHG 001 Upgrades D412-702-043B Kits at CHG 002
				DSI9408-015	4-Man Hook and Loop Strip Kit Upgrades D412-702-047A Kits at CHG 001 Upgrades D412-702-047B Kits at CHG 002
			X	DSI9408-017	1-Man Hook and Loop Strip Kit Upgrades D412-702-049A Kits at CHG 001 Upgrades D412-702-049B Kits at CHG 002 Upgrades D412-702-051A Kits at CHG 001 Upgrades D412-702-051B Kits at CHG 001 Upgrades D412-702-052A Kits at CHG 001 Upgrades D412-702-052B Kits at CHG 001
6			1	D3761-1-041	Hook and Loop Strip



DEPARTMENT OF TRANSPORT
AIR CRAFT REGISTRATION
BRAND
BY: *[Signature]*
DATE: *[Date]*
CERT: *[Date]*
ISSUE: *[Date]*

A	NEW ISSUE	LE	08.03.05
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD HARTFORD, ONTARIO, CANADA	
DRAWN	<i>[Signature]</i>	REV. A	
CHECKED	<i>[Signature]</i>	SHEET 1 OF 1	
MFG. APPR.	<i>[Signature]</i>	TITLE	
APPROVED	<i>[Signature]</i>	SCALE	
DE APPR.	<i>[Signature]</i>	HOOK AND LOOP STRIP	
DATE	08.03.05	NTS	

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